

What is claimed is:

1. A full text search system, comprising:

5 a plurality of search processing apparatuses in which locations of search-target character string data and character string search conditions are instructed, and search results responding to the instructions are accordingly outputted; and

10 a search integration unit in which search-target character string data is divided into a group of character string records and allocated to one or more of the plurality of search processing apparatuses, given character string search conditions are transmitted to each of the search processing apparatuses as search instructions, and search results are received from each
15 of the search processing apparatuses and are integrated; and further comprising:

20 an update temporary memory unit which temporarily stores new character string records to update the search-target character string data;

25 an update record search instruction unit in which the new character string records stored in the update temporary memory unit are instructed to any one of the search processing apparatuses determined in advance as a part of the search-target character string data.

2. The full text search system according to claim 1, further comprising:

an update result reflection unit in which old records before being updated corresponding to the new records stored in the update temporary memory unit is deleted from the search-target character string data, and the new records are incorporated into the search-target character string data.

3. The full text search system according to claim 2, further comprising:

a search result receiving time storing unit in which after the search integration unit transmits search instructions to the plurality of search processing apparatuses, the time when search results are received from each search processing apparatus is stored; and

a breakdown search processing apparatus judgement unit in which the search processing apparatus which cannot receive search results within a preset time from the search result receiving time received first which is stored in the search result receiving time storing unit is judged to be a defective apparatus.

4. The full text search system according to claim 3,

wherein when the breakdown search processing apparatus judgement unit judges the search processing apparatus to be defective, the search integration unit revokes all the search results transmitted from the plurality of search processing apparatuses, and after incorporating the new records stored in the update temporary memory unit into the search-target character string data by instructing the update result reflection unit, the search integration unit divides the search-target character string data and allocates the divided data to usable search processing apparatuses except the search processing apparatuses which are judged to be defective and the search processing apparatuses which have been instructed to execute search processing by the update record search instruction unit, and instructs the usable search processing apparatuses to execute search.

5. A full text search program which makes a computer realize a full text search system comprising:

a plurality of search processing apparatuses in which locations of the search-target character string data and character string search conditions are instructed, and search results responding to the instructions are accordingly outputted; and

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a search integration unit in which search-target character string data is divided into a group of character string records and allocated to one or more of the plurality of search processing apparatuses, given character string search conditions are transmitted to each of the search processing apparatuses as search instructions, and search results are received from each of the search processing apparatuses and are integrated; and which further makes the computer realize both an update temporary memory unit which temporarily stores new character string records to update the search-target character string data; and an update record search instruction unit in which the new character string records stored in the update temporary memory unit are instructed to any one of the search processing apparatuses determined in advance as a part of the search-target character string data.

6. A computer readable storage medium storing programs which make a computer execute a full text search system comprising:

a plurality of search processing apparatuses in which locations of the search-target character string data and character string search conditions are instructed, and search results responding to the

instructions are accordingly outputted; and

5 a search integration unit in which search-target character string data is divided into a group of character string records and allocated to one or more of the plurality of search processing apparatuses, given character string search conditions are transmitted to each of the search processing apparatuses as search instructions, and search results are received from each of the search processing apparatuses and are integrated;
10 and which further makes the computer execute both an update temporary memory unit which temporarily stores new character string records to update the search-target character string data; and an update record search instruction unit in which the new character string records stored in the update temporary memory unit are
15 instructed to any one of the search processing apparatuses determined in advance as a part of the search-target character string data.

20 7. A search integration server in which locations of search-target character string data and character string search conditions are instructed; a plurality of search processing servers which output search results responding to the instructions are connected via a
25 network; search-target character string data is divided

into a group of character string records and allocated to one or more of the plurality of search processing servers; given character string search conditions are transmitted to each of the search processing servers
5 as search instructions; and search results are received from each of the search processing servers and are integrated; and

which comprises an update temporary memory unit which temporarily stores new character string records
10 to update the search-target character string data; and an update record search instruction unit in which the new character string records stored in the update temporary memory unit are instructed to any one of the search processing apparatuses determined in advance as
15 a part of the search-target character string data.

8. A full text search method for dividing search-target character string data into a group of character string records, allocating the divided
20 character string records to one or more of a plurality of search processing apparatuses which are given locations of search-target character string data and character string search conditions and outputs search results responding to the given locations and conditions,
25 transmitting given character string search conditions

to each of the search processing apparatuses as search instructions, receiving search results from each of the search processing apparatuses, and integrating the search results, the method comprising:

5 storing temporarily, when updating the search-target character string data, new character string records to update the search-target character string data; and

10 instructing the stored character string records to any one of the search processing apparatuses determined in advance as a part of the search-target character sting data.